SUMMARY OF WATER CONDITIONS

May 1, 2011

April provided a breather after the large March boost in snowpack accumulation with somewhat below average precipitation in many mountain basins. The month was also cooler than average; as a result the measured snowpack on May 1 was still around 85 percent of the large April amounts in Sierra Nevada mountain watersheds. The current pack is quite similar to that of May 1, 2006. April precipitation that year was far above average, however. Water supplies will be excellent this year.

Forecasts of April through July runoff are not much different from those issued one month ago and are about 165 percent of average compared to 115 percent last year on this date. Water year runoff prospects are also excellent at 145 percent of average statewide; last year's water year runoff was about 90 percent of average.

Snowpack water content is about 185 percent of average for the date and 145 percent of the April 1 average, normally the date of maximum snow accumulation. Last year the snowpack on May 1 was 140 percent of average.

Precipitation from October through April was about 135 percent of average, compared to 110 percent one year ago. The heaviest was the southern Sierra regions in the 150-160 percent range. The lightest was in the two corners—North Coast and Colorado River—at 115 percent. Statewide precipitation during the month of April was 70 percent of average.

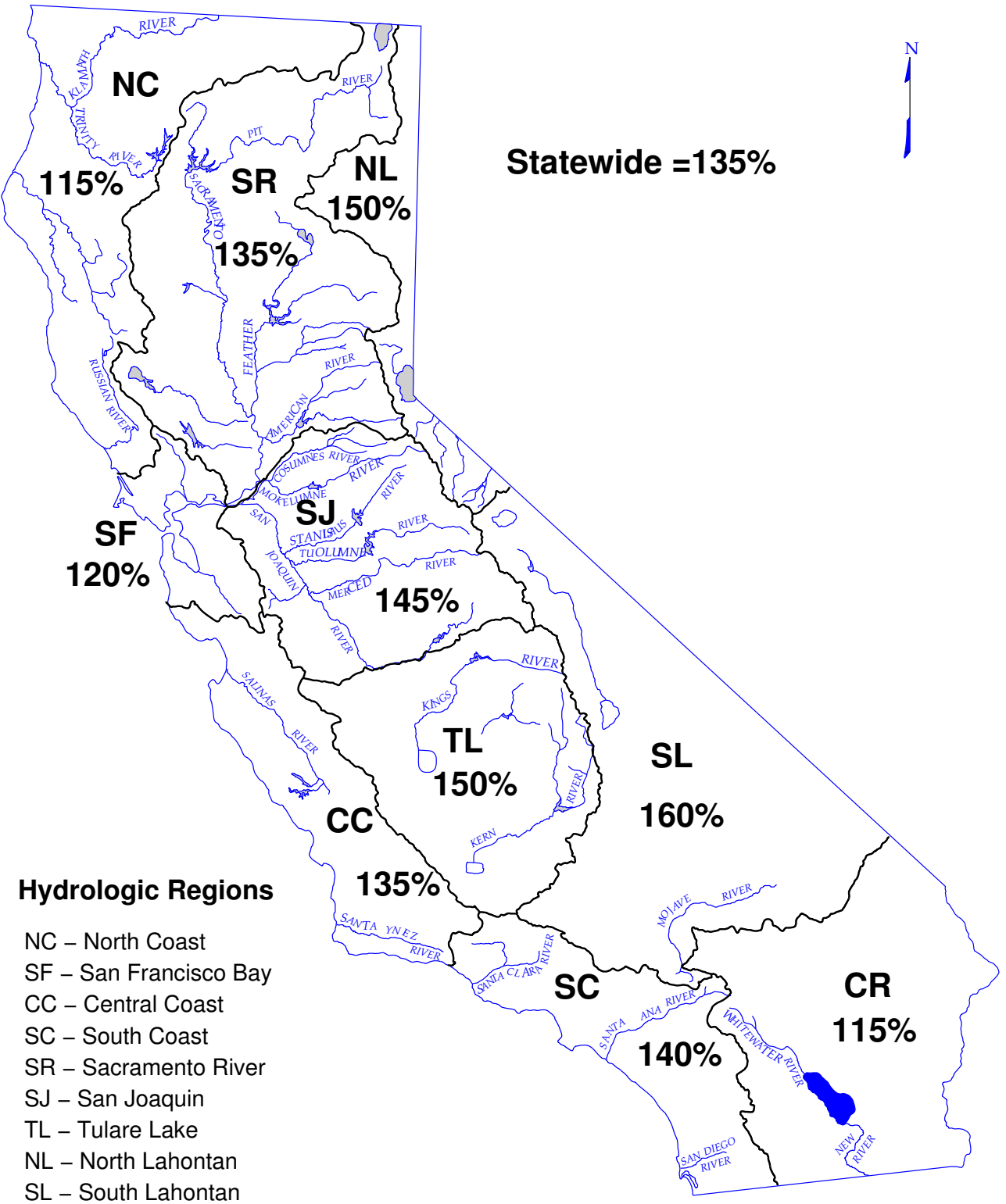
Runoff has been nearly 130 percent of average so far this season, much higher than the 75 percent reported one year ago. April runoff was about 165 percent of average. Estimated runoff of the eight major rivers of the Sacramento and San Joaquin River regions during April was 5.3 million acre-feet.

Reservoir storage gained about the normal amount during April and now stands at about 110 percent of average for the date and about 85 percent of total capacity. Major foothill reservoir operators are keeping a prudent reserve of space to absorb the expected peak runoff during the next month or so.

SUMMARY OF WATER CONDITIONS
IN PERCENT OF AVERAGE

HYDROLOGIC REGION	PRECIPITATION OCTOBER 1 TO DATE	May 1 SNOW WATER CONTENT	May 1 RESERVOIR STORAGE	RUNOFF OCTOBER 1 TO DATE	APR-JULY RUNOFF FORECAST	WATER YEAR RUNOFF FORECAST
NORTH COAST	115	165	110	115	150	130
SAN FRANCISCO BAY	120	--	105	130	--	--
CENTRAL COAST	135	--	125	155	--	--
SOUTH COAST	140	--	105	125	--	--
SACRAMENTO RIVER	135	200	110	120	160	130
SAN JOAQUIN RIVER	145	190	115	180	165	170
TULARE LAKE	150	180	115	185	175	175
NORTH LAHONTAN	150	155	105	150	180	165
SOUTH LAHONTAN	160	145	110	115	150	165
COLORADO RIVER-DESERT	115	--	--	--	--	--
STATEWIDE	135	185	110	130	165	145

DEPARTMENT OF WATER RESOURCES
CALIFORNIA COOPERATIVE SNOW SURVEYS
SEASONAL PRECIPITATION
IN PERCENT OF AVERAGE TO DATE
October 1, 2010 through April 30, 2011

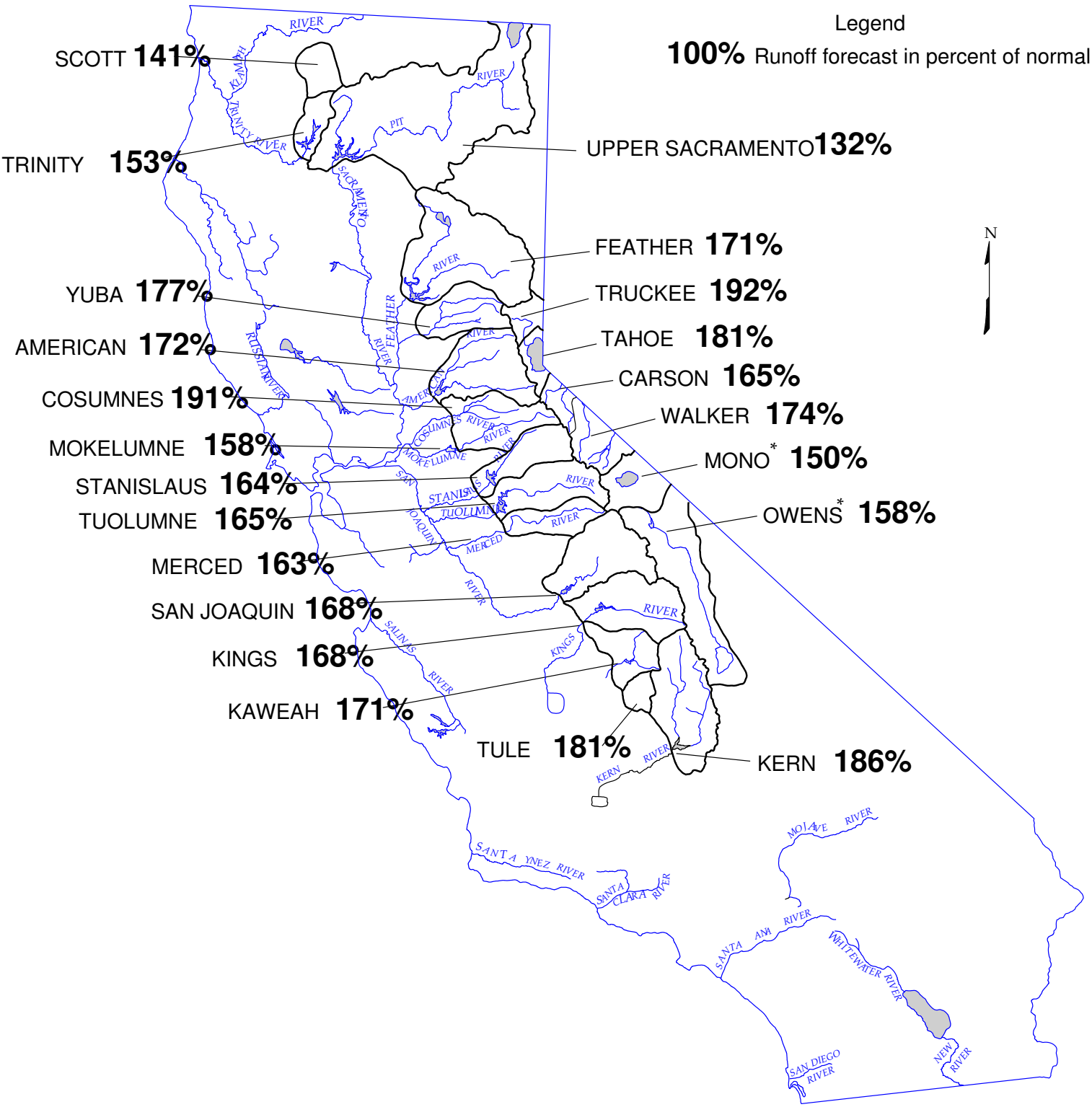


Hydrologic Regions

NC – North Coast
SF – San Francisco Bay
CC – Central Coast
SC – South Coast
SR – Sacramento River
SJ – San Joaquin
TL – Tulare Lake
NL – North Lahontan
SL – South Lahontan
CR – Colorado River–Desert

WATER YEAR IS OCTOBER 1 THROUGH SEPTEMBER 30

DEPARTMENT OF WATER RESOURCES
CALIFORNIA COOPERATIVE SNOW SURVEYS
FORECAST OF APRIL – JULY
UNIMPAIRED SNOWMELT RUNOFF
May 1, 2011



* FORECAST BY DEPARTMENT OF WATER AND POWER, CITY OF LOS ANGELES

MAY 1, 2011 FORECASTS
APRIL-JULY UNIMPAIRED RUNOFF

HYDROLOGIC REGION and Watershed	Unimpaired Runoff in 1,000 Acre-Feet (1) HISTORICAL 50 Yr Avg (2)	Max of Record	Min of Record	FORECAST Apr-Jul Forecasts	Pct of Avg	80 % Probability Range (1)
North Coast						
Trinity River at Lewiston Lake (10)	654	1,593	80	**1,000**	153%	900 - 1,110
SACRAMENTO RIVER						
Upper Sacramento River						
Sacramento River at Delta above Shasta Lake	298	711	39	480	161%	
McCloud River above Shasta Lake	392	850	185	570	145%	
Pit River near Montgomery Creek + Squaw Creek	1,066	2,098	480	1,270	119%	
Total Inflow to Shasta Lake	1,819	3,525	726	**2,410**	132%	2,180 - 2,810
Sacramento River above Bend Bridge, near Red Bluff	2,494	5,075	943	**3,330**	134%	3,030 - 3,860
Feather River						
Feather River at Lake Almanor near Prattville (3)	333	675	120	500	150%	
North Fork at Pulga (3)	1,028	2,416	243	1,680	163%	
Middle Fork near Clio (4)	86	518	4	145	169%	
South Fork at Ponderosa Dam (3)	110	267	13	185	168%	
Feather River at Oroville	1,782	4,676	392	**3,050**	171%	2,780 - 3,460
Yuba River						
North Yuba below Goodyears Bar	279	647	51	500	179%	
Inflow to Jackson Mdws and Bowman Reservoirs (3)	112	236	25	185	165%	
South Yuba at Langs Crossing (3)	233	481	57	390	167%	
Yuba River near Smartsville plus Deer Creek	1,006	2,424	200	**1,780**	177%	1,640 - 1,930
American River						
North Fork at North Fork Dam (3)	262	716	43	450	172%	
Middle Fork near Auburn (3)	522	1,406	100	890	170%	
Silver Creek Below Camino Diversion Dam (3)	173	386	37	300	173%	
American River below Folsom Lake	1,240	3,074	229	**2,130**	172%	1,960 - 2,330
SAN JOAQUIN RIVER						
Cosumnes River at Michigan Bar	126	363	8	**240**	191%	205 - 290
Mokelumne River						
North Fork near West Point (5)	437	829	104	650	149%	
Total Inflow to Pardee Reservoir	461	1,065	102	**730**	158%	700 - 780
Stanislaus River						
Middle Fork below Beardsley Dam (3)	334	702	64	540	162%	
North Fork Inflow to McKays Point Dam (3)	224	503	34	370	165%	
Stanislaus River below Goodwin Reservoir (9)	702	1,710	116	**1,150**	164%	1,060 - 1,250
Tuolumne River						
Cherry Creek & Eleanor Creek near Hetch Hetchy	315	727	97	520	165%	
Tuolumme River near Hetch Hetchy	604	1,392	153	980	162%	
Tuolumne River below La Grange Reservoir (9)	1,220	2,682	301	**2,010**	165%	1,910 - 2,180
Merced River						
Merced River at Pohono Bridge	372	888	80	590	159%	
Merced River below Merced Falls (9)	632	1,587	123	**1,030**	163%	970 - 1,140
San Joaquin River						
San Joaquin River at Mammoth Pool (7)	1,026	2,279	235	1,720	168%	
Big Creek below Huntington Lake (8)	91	264	11	160	176%	
South Fork near Florence Lake (7)	201	511	58	330	164%	
San Joaquin River inflow to Millerton Lake	1,254	3,355	262	**2,110**	168%	1,960 - 2,280
TULARE LAKE						
Kings River						
North Fork Kings River near Cliff Camp (3)	239	565	50	410	172%	
Kings River below Pine Flat Reservoir	1,224	3,113	274	**2,050**	168%	1,950 - 2,170
Kaweah River below Terminus Reservoir	286	814	62	**490**	171%	460 - 550
Tule River below Lake Success	64	259	2	**115**	181%	108 - 137
Kern River						
Kern River near Kernville	384	1,203	83	700	182%	
Kern River inflow to Lake Isabella	461	1,657	84	**860**	186%	820 - 930

(1) See inside back cover for definition
(2) All 50 year averages are based on years 1956-2005 unless otherwise noted
(3) 50 year average based on years 1941-90
(4) 44 year average based on years 1936-79
(5) 36 year average based on years 1936-72
(6) 45 year average based on years 1936-81
(7) 50 year average based on years 1953-2002
(8) 50 year average based on years 1946-1995

MAY 1, 2011 FORECASTS

WATER YEAR UNIMPAIRED RUNOFF

Unimpaired Runoff in 1,000 Acre-Feet (1)

HISTORICAL			DISTRIBUTION									FORECAST		
50 Yr Avg (2)	Max of Record	Min of Record	Oct Thru Jan	Feb *	Mar *	Apr *	May	Jun	Jul	Aug	Sep	Water Year Forecasts	Pct of Avg	80 % Probability Range (1)
1398	2990	200	439	93	242	246	355	335	65	20	15	**1,810**	130%	1710 - 1920
887	1,965	165												
1,217	2,353	557												
3,159	5,150	1,484												
6,107	10,796	2,479	1,785	485	1,485	940	780	410	280	245	235	**6,645**	109%	6,365 - 7,155
8,907	17,180	3,294	2,730	710	2,325	1,390	1,010	555	375	305	305	**9,705**	109%	9,270 - 10,385
780	1,269	366												
2,417	4,400	666												
219	637	24												
291	562	32												
4,620	9,492	994	1,445	375	1,110	1,160	1,100	565	225	130	110	**6,220**	135%	5,910 - 6,685
564	1,056	102												
181	292	30												
379	565	98												
2,373	4,926	369	920	165	610	605	660	420	95	35	30	**3,540**	149%	3,380 - 3,720
616	1,234	66												
1,070	2,575	144												
318	705	59												
2,719	6,382	349	1,120	225	870	740	825	445	120	35	20	**4,400**	162%	4,205 - 4,650
390	1,253	20	199	56	235	131	80	25	4	3	2	**735**	189%	695 - 790
626	1,009	197												
755	1,800	129	255	50	175	210	270	205	45	7	3	**1,220**	162%	1,180 - 1,280
471	929	88												
1,171	2,952	155	415	100	305	320	440	300	90	20	10	**2,000**	171%	1,900 - 2,110
461	1,147	123												
770	1,661	258												
1,951	4,631	383	700	135	415	435	690	640	245	50	20	**3,330**	171%	3,220 - 3,520
461	1,020	92												
1,007	2,787	150	355	110	260	220	380	330	100	25	10	**1,790**	178%	1,720 - 1,910
1,337	2,964	308												
112	298	14												
248	653	71												
1,836	4,642	362	490	115	275	395	720	660	335	90	40	**3,120**	170%	2,950 - 3,310
284	607	58												
1,721	4,287	386	470	100	225	370	695	680	305	90	35	**2,970**	173%	2,860 - 3,100
454	1,402	94	154	36	89	117	175	145	53	11	5	**785**	173%	750 - 850
148	615	16	92	14	46	46	45	20	4	2	1	**270**	183%	260 - 295
558	1,577	163												
730	2,318	175	210	55	100	225	285	240	110	45	25	**1,295**	177%	1,250 - 1,380

(9) Forecast point names based on USGS gage names. Stanislaus below Goodwin also known as inflow to New Melones, Tuolumne River below La Grange also known as inflow to Don Pedro, Merced River below Merced Falls also known as inflow to McClure.
(10) Coordinated Forecast by National Weather Service California-Nevada River Forecast Center and Department of Water Resources, State of California
* Unimpaired runoff in months prior to forecast date are based on measured flows

MAY 1, 2011 FORECASTS
APRIL-JULY UNIMPAIRED RUNOFF

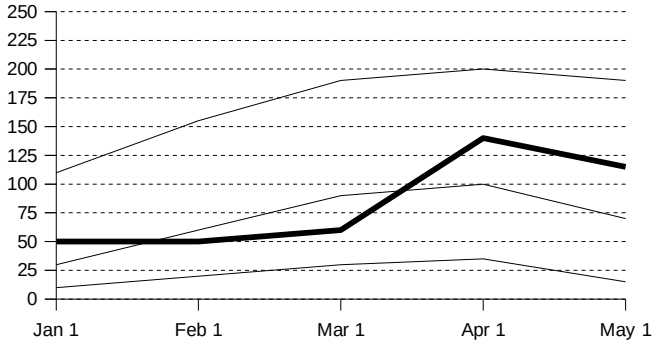
HYDROLOGIC REGION and Watershed	Apr-Jul Unimpaired Runoff in 1,000 Acre-Feet (1) HISTORICAL 50 Yr Avg (2)	Max of Record	Min of Record	FORECAST Apr-Jul Forecasts	Pct of Avg
NORTH COAST					
Scott River					
Scott River nr Ft Jones (3)	181	398	22	**255**	141%
Klamath River					
Total inflow to Upper Klamath Lake (4)	340	618	84	**450**	132%
NORTH LAHONTAN					
Truckee River					
Lake Tahoe to Farad accretions	261	713	52	**500**	192%
Lake Tahoe Rise (assuming gates closed, ft)	1.4	5.4	0.2	**2.5**	181%
Carson River					
West Fork Carson River at Woodfords	54	135	12	**90**	165%
East Fork Carson River near Gardnerville	187	407	43	**310**	166%
Walker River					
West Walker River below Little Walker, near Coleville	154	330	35	**250**	162%
East Walker River near Bridgeport	64	209	7	**130**	203%
SOUTH LAHONTAN					
Owens River					
Total tributary flow to Owens River (5)	235	579	96	**371**	158%

(1) See inside back cover for definition
(2) All 50 year averages are based on years 1956-2005 unless otherwise noted
(3) Forecast by National Weather Service California-Nevada River Forecast Center. 30 yr average (1971-2000)
(4) Forecast by U.S. Natural Resources Conservation Service and National Weather Service California-Nevada River Forecast Center, May through September forecast, 30 year average based on years 1971-2000.
(5) Forecast by Department of Water and Power, City of Los Angeles, average based on years 1956-2005.

NORTH COAST REGION

Snowpack Accumulation

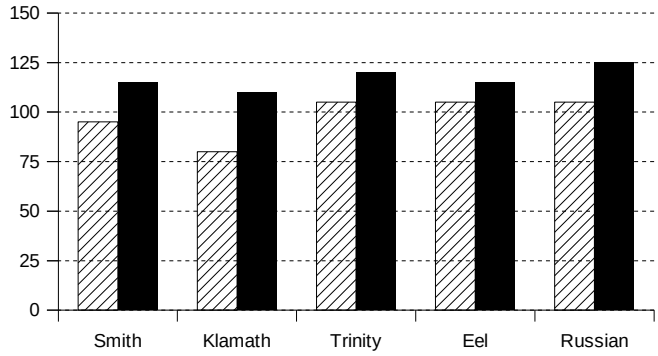
Water Content in % of April 1 Average



SNOWPACK- First of the month measurements made at 4 snow courses indicate an area wide snow water equivalent of 32.7 inches. This is 115 percent of the seasonal April 1 average and 165 percent of the May 1 average. Last year at this time the pack was holding 46.7 inches of water.

Precipitation

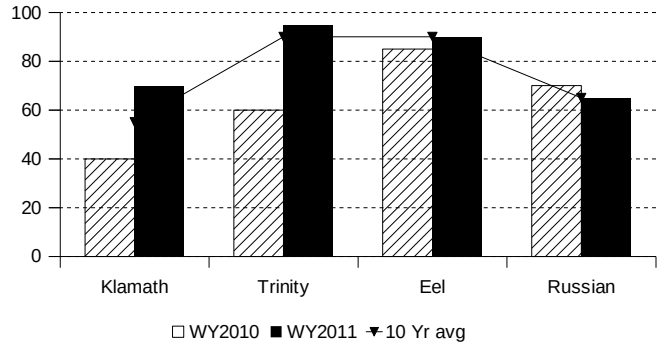
October 1 to date in % of Average



PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on this area was 115 percent of normal. Precipitation last month was about 110 percent of the monthly average. Seasonal precipitation at this time last year stood at 100 percent of normal.

Reservoir Storage

Contents of major reservoirs in % of capacity

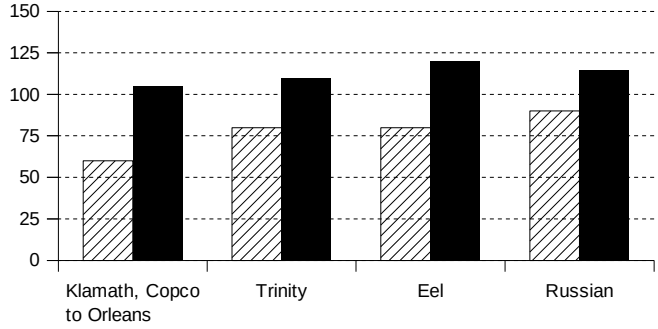


RESERVOIR STORAGE- First of the month storage in 6 reservoirs was 2.8 million acre-feet which is 110 percent of average. About 90 percent of available capacity was being used. Storage in these reservoirs at this time last year was 80 percent of average.

RUNOFF -Seasonal runoff of streams draining the area totaled 12.8 million acre-feet which is 115 percent of the average for this period. Last year, runoff for the same period was 75 percent of average.

Runoff

October 1 to date in % of average

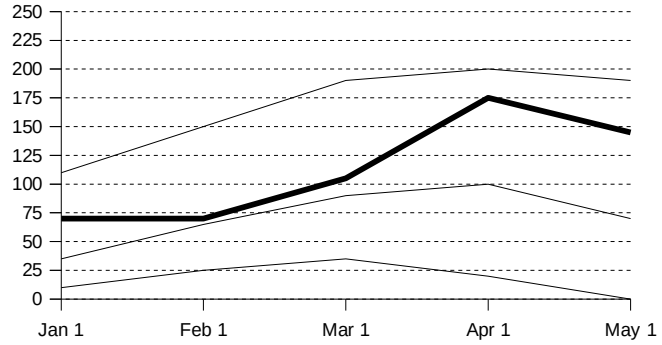


SACRAMENTO RIVER REGION

SNOWPACK- First of the month measurements made at 68 snow courses indicate an area wide snow water equivalent of 48.5 inches. This is 145 percent of the seasonal April 1 average and 200 percent of the May 1 average. Last year at this time the pack was holding 33.2 inches of water.

Snowpack Accumulation

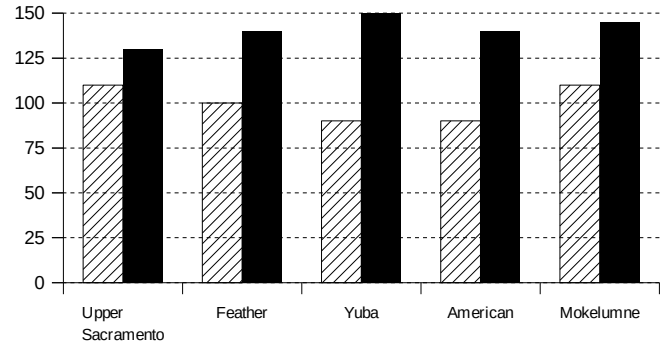
Water Content in % of April 1 Average



PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on this area was 135 percent of normal. Precipitation last month was about 75 percent of the monthly average. Seasonal precipitation at this time last year stood at 100 percent of normal.

Precipitation

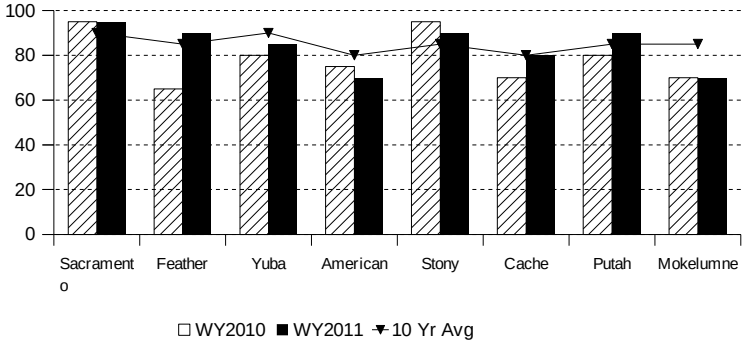
October 1 to date in % of Average



RESERVOIR STORAGE- First of the month storage in 43 reservoirs was 14.1 million acre-feet which is 110 percent of average. About 90 percent of available capacity was being used. Storage in these reservoirs at this time last year was 95 percent of average.

Reservoir Storage

Contents of major reservoirs in % of capacity

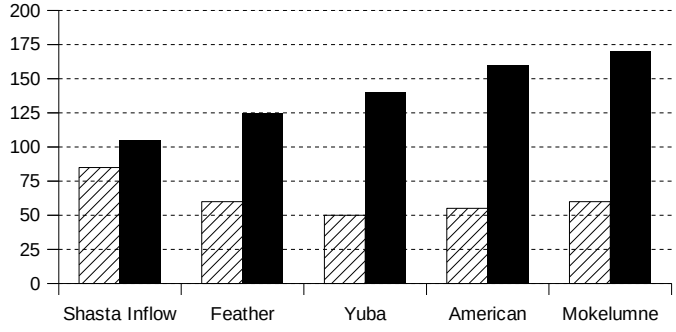


RUNOFF - Seasonal runoff of streams draining the area totaled 16.5 million acre-feet which is 120 percent of average for this period. Last year, runoff for the same period was 70 percent of average.

The **Sacramento Region 40-30-30 Water Supply Index** is forecast to be 10.0 assuming median meteorological conditions for the remainder of the year. This classifies the year as "wet" in the Sacramento Valley according to the State Water Resources Control Board.

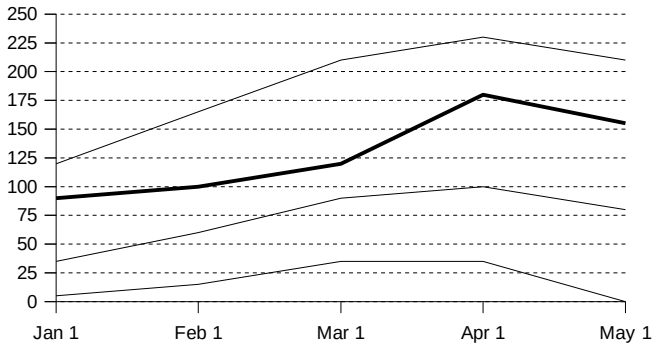
Runoff

October 1 to date in % of average



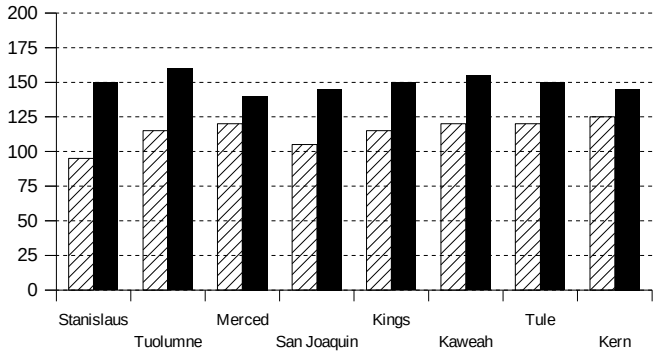
Snowpack Accumulation

Water Content in % of April 1 Average



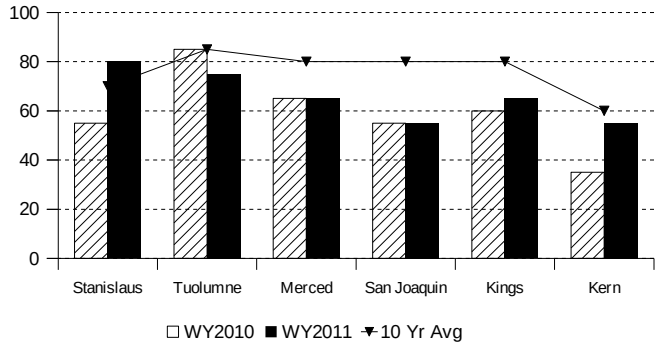
Precipitation

October 1 to date in % of Average



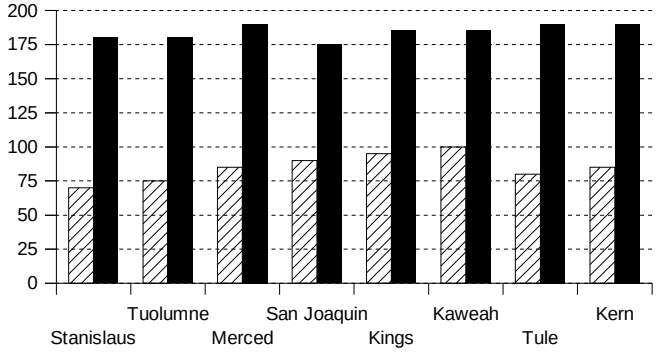
Reservoir Storage

Contents of major reservoirs in % of capacity



Runoff

October 1 to date in % of average



SAN JOAQUIN RIVER AND TULARE LAKE REGIONS

SNOWPACK- First of the month measurements made at 53 **San Joaquin Region** snow courses indicate an area wide snow water equivalent of 51.7 inches. This is 155 percent of the seasonal (April 1) average and 190 percent of the May 1 average. Last year at this time the pack was holding 37.2 inches of water. At the same time 34 **Tulare Lake Region** snow courses indicated a basin-wide snow water equivalent of 35.6 inches which is 140 percent of the average for April 1 and 180 percent of May 1. Last year at this time the basin was holding 29.2 inches of water.

PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on the **San Joaquin Region** was 145 percent of normal. Precipitation last month was about 35 percent of the monthly average. Seasonal precipitation at this time last year stood at 110 percent of normal. Seasonal precipitation on the **Tulare Lake Region** was 150 percent of normal. Precipitation last month was about 40 percent of the monthly average. Seasonal precipitation at this time last year stood at 120 percent of normal.

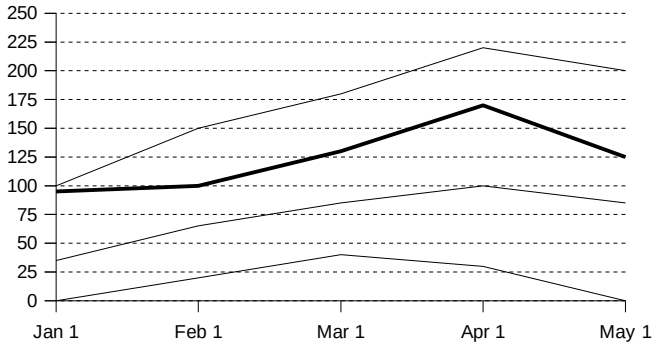
RESERVOIR STORAGE- First of the month storage in 34 **San Joaquin Region** reservoirs was 8.9 million acre-feet which is 115 percent of average. About 80 percent of available capacity was being used. Storage in these reservoirs at this time last year was 100 percent of average. First of the month storage in 4 **Tulare Lake Region** reservoirs was 1.1 million acre-feet which is 115 percent of average and about 60 percent of available capacity. Storage in these reservoirs at this time last year was 105 percent of average.

RUNOFF- Seasonal runoff of streams draining the **San Joaquin Region** totaled 6.4 million acre-feet which is 180 percent of average for this period. Last year, runoff for the same period was 75 percent of average. Seasonal runoff of streams draining the **Tulare Lake Basin** totaled 2.4 million acre-feet which is 185 percent of average for this period. Last year runoff for this same period was 90 percent of average.

The **San Joaquin Region 60-20-20 Water Supply Index** is forecast to be 5.1 assuming 75 percent of median meteorological conditions. This classifies the year as "wet" in the San Joaquin River Region according to the State Water Resources Control Board.

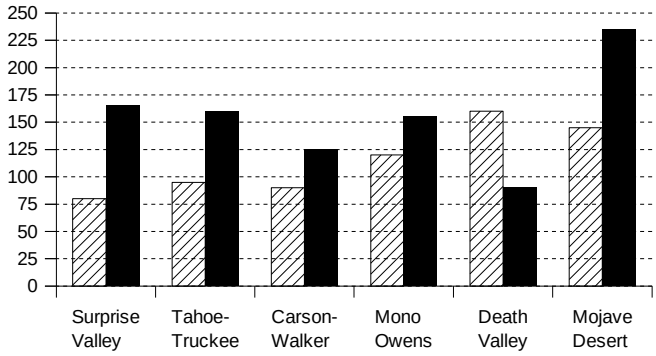
Snowpack Accumulation

Water Content in % of April 1 Average



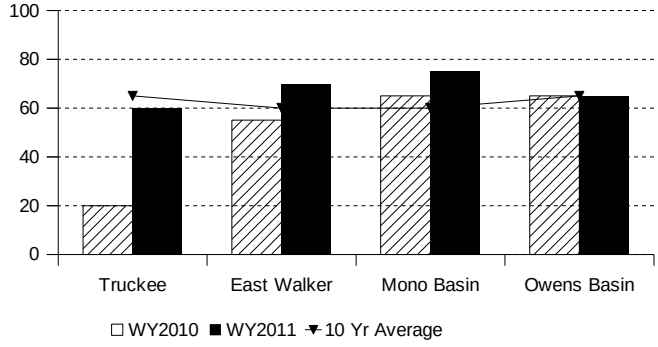
Precipitation

October 1 to date in % of Average



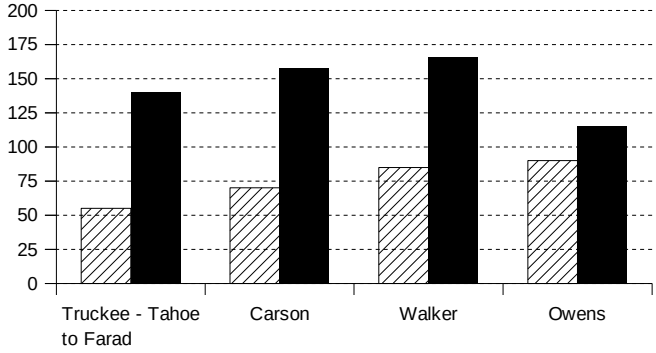
Reservoir Storage

Contents of major reservoirs in % of capacity



Runoff

October 1 to date in % of average



NORTH AND SOUTH LAHONTAN REGIONS

SNOWPACK- First of the month measurements made at 5 **North Lahontan Region** snow courses indicate an area wide snow water equivalent of 34 inches. This is 135 percent of the seasonal (April 1) average and 155 percent of the May 1 average. Last year at this time the pack was holding 23.3 inches of water. At the same time 2 **South Lahontan** snow courses indicated a basin-wide snow water equivalent of 16.9 inches which is 125 percent of the seasonal (April 1) average and 145 percent of the May 1 average. Last year at this time the basin was holding 16.8 inches of water.

PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on the **North Lahontan Region** was 150 percent of normal. Precipitation last month was about 115 percent of the monthly average. Seasonal precipitation at this time last year stood at 90 percent of normal. Seasonal precipitation on the **South Lahontan** was 160 percent of normal. Precipitation last month was 20 percent of the monthly average. Seasonal precipitation at this time last year stood at 140 percent of normal.

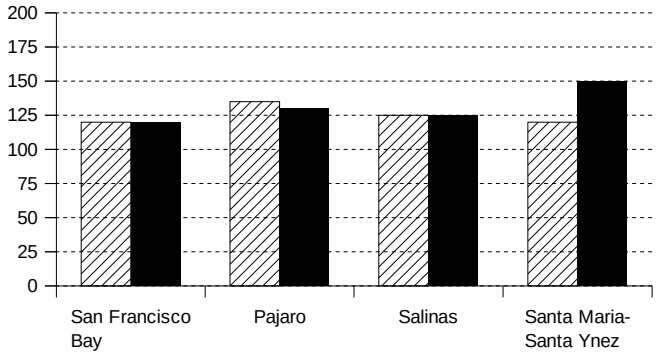
RESERVOIR STORAGE- First of the month storage in 5 **North Lahontan** reservoirs was 640 thousand acre-feet which is 105 percent of average. About 60 percent of available capacity was being used. Storage in these reservoirs at this time last year was 40 percent of average. Lake Tahoe was 3.0 feet above its natural rim on May 1. First of the month storage in 8 **South Lahontan** reservoirs was 290 thousand acre-feet which is 110 percent of average and about 70 percent of available capacity. Storage in these reservoirs at this time last year was 105 percent of average.

RUNOFF- Seasonal runoff of streams draining the **North Lahontan Region** totaled 648 thousand acre-feet which is 150 percent of average for this period. Last year, runoff for the same period was 65 percent of average. Seasonal runoff of the Owens River in the **South Lahontan** totaled 88 thousand acre-feet which is 115 percent of average for this period. Last year runoff for this same period was 90 percent of average.

SAN FRANCISCO BAY AND CENTRAL COAST REGIONS

Precipitation

October 1 to date in % of Average

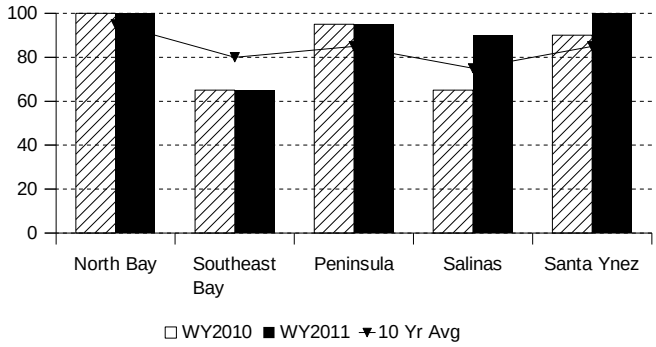


PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on the **San Francisco Bay Region** was 120 percent of normal. Precipitation last month was about 30 percent of the monthly average. Seasonal precipitation at this time last year stood at 120 percent of normal.

Seasonal precipitation on the **Central Coast Region** was 135 percent of normal. Precipitation last month was about 15 percent of the monthly average. Seasonal precipitation at this time last year stood at 130 percent of normal.

Reservoir Storage

Contents of major reservoirs in % of capacity

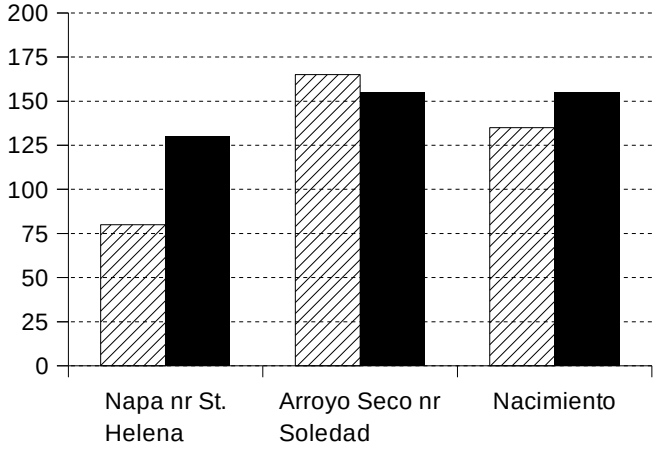


RESERVOIR STORAGE- First of the month storage in 14 **San Francisco Bay Region** reservoirs was 556 thousand acre-feet which is 105 percent of average. About 80 percent of available capacity was being used. Storage in these reservoirs at this time last year was 105 percent of average.

First of the month storage in 6 **Central Coast Region** reservoirs was 898 thousand acre-feet which is 125 percent of average and about 95 percent of available capacity. Storage in these reservoirs at this time last year was 95 percent of average.

Runoff

October 1 to date in % of average



RUNOFF- Seasonal runoff of the Napa River in the **San Francisco Bay Region** totaled 94 thousand acre-feet which is 130 percent of average for this period. Last year, runoff for the same period was 80 percent of average.

Seasonal runoff of streams draining the **Central Coast Region** totaled 497 thousand acre-feet which is 155 percent of average for this period. Last year runoff for this same period was 145 percent of average.

SOUTH COAST AND COLORADO RIVER REGIONS

PRECIPITATION - October through April (seasonal) precipitation on the **South Coast Region** was 140 percent of normal. April precipitation was 20 percent of the monthly average. Seasonal precipitation at this time last year was 110 percent of normal. Seasonal precipitation on the **Colorado River-Desert Region** was 115 percent of normal. Precipitation during April was 5 percent of average. Seasonal precipitation at this time last year stood at 170 percent of average.

RESERVOIR STORAGE - May 1 storage in 29 major **South Coast Region** reservoirs was 1.6 million acre-feet or 105 percent of average. About 85 percent of available capacity was being used. Storage in these reservoirs at this time last year was 90 percent of average.
On May 1 combined storage in Lakes Powell, Mead, Mohave and Havasu was about 26.3 million acre-feet or about 65 percent of average. About 50 percent of available capacity was in use. Last year at this time, these reservoirs were storing 67 percent of average.

RUNOFF - Seasonal runoff from selected **South Coast Region** streams totaled 59 thousand acre-feet which is 125 percent of average. Seasonal runoff from these streams last year was 95 percent of average.

COLORADO RIVER

The April July inflow to Lake Powell is forecast to be 11.5 million acre-feet, which is 145 percent of average. The May 1 snowpack in the Colorado River basin above Lake Powell was 150 percent of average, highest in the Duchesne at 195 percent and lowest in the Colorado Plateau at less than 30 percent.

MAJOR WATER DISTRIBUTION PROJECTS

RESERVOIR STORAGE

(AVERAGES BASED ON 1951-2000 OR PERIOD RECORD)

RESERVOIR	CAPACITY 1,000 AF	AVERAGE STORAGE 1,000 AF	STORAGE AT END OF April 2010 1,000 AF	2011 1,000 AF	PERCENT AVERAGE	PERCENT CAPACITY
STATE WATER PROJECT						
Lake Oroville	3,538	2,939	2,114	3,305	112%	93%
San Luis Reservoir (SWP)	1,062	979	813	1,062	108%	100%
Lake Del Valle	77	39	41	41	106%	53%
Lake Silverwood	73	69	71	71	104%	98%
Pyramid Lake	171	163	169	169	104%	99%
Castaic Lake	325	287	260	314	109%	97%
Perris Lake	132	118	66	74	63%	56%
CENTRAL VALLEY PROJECT						
Trinity Lake	2,448	2,049	1,487	2,314	113%	95%
Lake Shasta	4,552	3,974	4,391	4,266	107%	94%
Whiskeytown Lake	241	232	229	226	97%	94%
Folsom Lake	977	730	823	751	103%	77%
New Melones Reservoir	2,420	1,482	1,277	1,986	134%	82%
Millerton Lake	520	365	350	229	63%	44%
San Luis Reservoir (CVP)	971	882	856	964	109%	99%
COLORADO RIVER PROJECT						
Lake Mead	26,159	20,061	11,313	11,115	55%	42%
Lake Powell	24,322	18,335	13,816	12,926	70%	53%
Lake Mohave	1,810	1,671	1,697	1,707	102%	94%
Lake Havasu	619	587	592	590	101%	95%
EAST BAY MUNICIPAL UTILITY DISTRICT						
Pardee Res	198	182	179	199	110%	101%
Camanche Reservoir	417	266	350	293	110%	70%
East Bay (4 res.)	147	136	139	140	103%	95%
CITY AND COUNTY OF SAN FRANCISCO						
Hetch-Hetchy Reservoir	360	166	265	239	144%	66%
Cherry Lake	268	152	230	209	137%	78%
Lake Eleanor	26	15	23	24	159%	93%
South Bay/Peninsula (4 res.)	225	180	176	171	95%	76%
CITY OF LOS ANGELES (D.W.P.)						
Lake Crowley	183	125	122	131	105%	72%
Grant Lake	48	26	33	48	184%	100%
Other Aqueduct Storage (6 res.)	95	75	55	49	65%	50%

TELEMETERED SNOW WATER EQUIVALENTS

April 1, 2011

(AVERAGES BASED ON PERIOD RECORD)

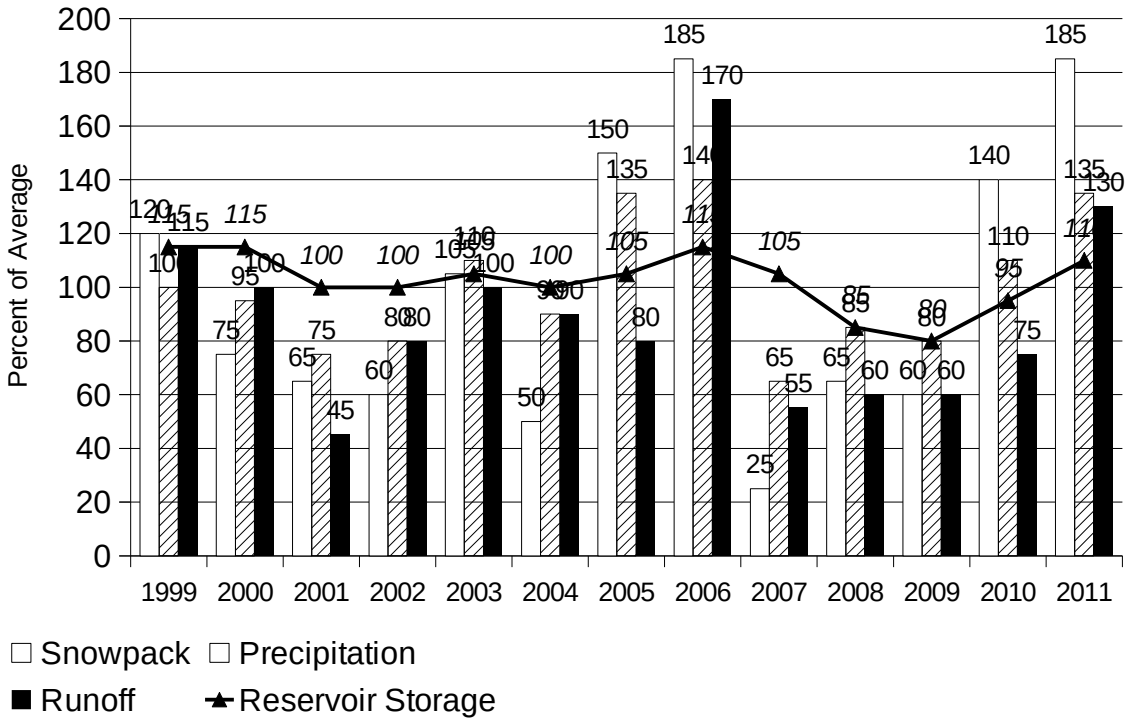
BASIN NAME / STATION NAME	ELEV	APRIL 1 AVERAGE	INCHES OF WATER EQUIVALENT Apr 1	PERCENT OF AVERAGE	24 HRS PREVIOUS	1 WEEK PREVIOUS
TRINITY RIVER						
Peterson Flat	7150’	29.2	—	—	—	—
Red Rock Mountain	6700’	39.6	58.0	146.5	58.2	57.0
Bonanza King	6450’	40.5	57.7	142.5	58.2	58.6
Shimmy Lake	6400’	40.3	59.8	148.4	60.3	60.8
Middle Boulder 3	6200’	28.3	37.8	133.7	38.0	38.5
Highland Lakes	6030’	29.9	56.9	190.2	56.1	55.0
Scott Mountain	5900’	16.0	29.2	182.2	29.6	31.3
Mumbo Basin	5650’	22.4	34.6	154.3	34.8	37.8
Big Flat	5100’	15.8	26.4	167.0	26.4	28.2
Crowder Flat	5100’	—	0.0	—	0.0	0.0
SACRAMENTO RIVER						
Cedar Pass	7100’	18.1	27.9	154.1	27.8	27.0
Blacks Mountain	7050’	12.7	18.0	141.7	18.0	17.6
Sand Flat	6750’	42.4	59.5	140.4	59.7	59.1
Medicine Lake	6700’	32.6	43.2	132.4	44.0	44.9
Adin Mountain	6200’	13.6	14.8	108.8	14.8	14.9
Snow Mountain	5950’	27.0	45.2	167.6	45.6	47.2
Slate Creek	5700’	29.0	56.4	194.5	56.5	56.5
Stouts Meadow	5400’	36.0	60.7	168.5	60.7	62.5
FEATHER RIVER						
Lower Lassen Peak	8250’	—	—	—	—	—
Kettle Rock	7300’	25.5	38.6	151.5	39.4	40.9
Grizzly Ridge	6900’	29.7	46.4	156.3	46.7	46.2
Pilot Peak	6800’	52.6	60.2	114.4	60.5	43.8
Gold Lake	6750’	36.5	66.1	181.1	66.0	64.8
Humbug	6500’	28.0	60.2	215.1	60.6	60.2
Harkness Flat	6200’	28.5	—	—	—	—
Rattlesnake	6100’	14.0	34.8	248.6	35.3	36.5
Bucks Lake	5750’	44.7	80.8	180.6	80.8	80.8
Four Trees	5150’	20.0	50.0	249.8	50.8	44.9
EEL RIVER						
Noel Spring	5100’	—	0.0	—	0.0	0.0
YUBA & AMERICAN RIVERS						
Lake Lois	8600’	39.5	67.5	170.9	68.2	69.5
Schneiders	8750’	34.5	73.3	212.5	73.4	72.1
Carson Pass	8353’	—	52.1	—	52.9	53.7
Caples Lake	8000’	30.9	40.8	132.0	41.4	40.1
Alpha	7600’	35.9	52.5	146.3	52.6	52.0
Meadow Lake	7200’	55.5	—	—	—	—
Silver Lake	7100’	22.7	43.0	189.4	43.4	45.4
Central Sierra Snow Lab	6900’	33.6	67.1	199.7	67.6	67.5
Huysink	6600’	42.6	57.2	134.3	57.1	54.1
Van Vleck	6700’	35.9	59.8	166.7	59.9	61.9
Robinson Cow Camp	6480’	—	71.3	—	72.3	76.0
Robbs Saddle	5900’	21.4	32.0	149.6	32.5	34.7
Greek Store	5600’	21.0	—	—	—	—
Blue Canyon	5280’	9.0	30.0	333.6	30.8	33.3
Robbs Powerhouse	5150’	5.2	12.3	236.9	13.3	17.2
MOKELUMNE & STANISLAUS RIVERS						
Deadman Creek	9250’	37.2	45.6	122.6	45.8	45.6
Highland Meadow	8700’	47.9	—	—	—	—
Gianelli Meadow	8400’	55.5	67.4	121.4	68.7	68.2
Lower Relief Valley	8100’	41.2	51.4	124.8	51.9	52.0
Blue Lakes	8000’	33.1	45.7	138.1	45.9	45.5
Mud Lake	7900’	44.9	—	—	—	—
Stanislaus Meadow	7750’	47.5	71.0	149.5	72.1	71.0
Bloods Creek	7200’	35.5	42.1	118.6	42.6	45.1
Black Springs	6500’	32.0	46.4	145.0	46.5	46.9
TUOLUMNE & MERCED RIVERS						
Tioga Pass Entrance	9945’	—	—	—	—	—
Dana Meadows	9800’	27.7	39.3	141.9	39.5	39.4
Slide Canyon	9200’	41.1	60.7	147.7	60.2	62.4
Lake Tenaya	8150’	33.1	—	—	—	—
Tuolumne Meadows	8600’	22.6	—	—	—	—
Horse Meadow	8400’	48.6	—	—	—	—
Ostrander Lake	8200’	34.8	47.4	136.1	47.6	48.3
White Wolf	7900’	—	45.2	—	46.2	47.4
Paradise Meadow	7650’	41.3	—	—	—	—
Gin Flat	7050’	34.2	41.1	120.1	41.8	44.1
Lower Kibbie Ridge	6700’	27.4	28.6	104.6	28.6	29.5

SAN JOAQUIN RIVER						
Volcanic Knob	10050’	30.1	—	—	—	—
Agnew Pass	9450’	32.3	—	—	—	37.5
Kaiser Point	9200’	37.8	49.0	129.7	49.3	49.6
Green Mountain	7900’	30.8	39.7	129.0	40.3	42.1
Devil’s Postpile	7569’	—	—	—	—	—
Tamarack Summit	7550’	30.5	41.5	136.0	42.0	44.7
Chilkoot Meadow	7150’	38.0	—	—	—	—
Huntington Lake	7000’	20.1	33.2	165.4	33.5	37.1
Graveyard Meadow	6900’	18.8	30.8	164.0	31.4	33.6
Poison Ridge	6900’	28.9	41.3	142.8	40.9	44.0
KINGS RIVER						
Bishop Pass	11200’	34.0	33.2	97.8	41.1	38.8
Charlotte Lake	10400’	27.5	—	—	—	—
State Lakes	10300’	29.0	54.4	187.6	54.9	55.2
Mitchell Meadow	9900’	32.9	56.3	171.1	56.7	57.3
Blackcap Basin	10300’	34.3	44.0	128.4	45.0	48.9
Upper Burnt Corral	9700’	34.6	52.5	151.6	50.9	52.0
West Woodchuck Meadow	9100’	32.8	56.2	171.3	57.2	57.9
Big Meadows	7600’	25.9	34.9	134.8	35.6	38.5
KAWEAH & TULE RIVERS						
Farewell Gap	9500’	34.5	—	—	—	—
Quaking Aspen	7200’	21.0	26.1	124.5	27.5	31.9
Giant Forest	6650’	10.0	—	—	—	—
KERN RIVER						
Upper Tyndall Creek	11400’	27.7	31.5	113.7	31.7	31.9
Crabtree Meadow	10700’	19.8	22.9	115.7	23.1	24.4
Chagoopa Plateau	10300’	21.8	—	—	—	—
Pascoes	9150’	24.9	—	—	—	—
Tunnel Guard Station	8900’	15.6	4.8	31.0	5.7	10.6
Wet Meadows	8950’	30.3	38.0	125.4	38.0	40.4
Casa Vieja Meadows	8300’	20.9	27.4	130.9	28.7	33.5
Beach Meadows	7650’	11.0	—	—	—	—
SURPRISE VALLEY AREA						
Dismal Swamp	7050’	29.2	49.5	169.5	49.6	47.5
TRUCKEE RIVER						
Independence Lake	8450’	41.4	73.5	177.5	73.8	71.5
Big Meadows	8700’	25.7	32.7	127.2	32.7	33.4
Squaw Valley	8200’	46.5	74.4	160.0	74.3	70.8
Independence Camp	7000’	21.8	27.8	127.5	27.9	29.8
Independence Creek	6500’	12.7	16.6	130.7	16.7	20.1
Truckee 2	6400’	14.3	25.2	176.2	26.3	29.4
LAKE TAHOE BASIN						
Mount Rose Ski Area	8900’	38.5	54.0	140.3	53.9	53.7
Heavenly Valley	8800’	28.1	43.3	154.1	43.6	43.5
Hagans Meadow	8000’	16.5	23.8	144.2	23.9	27.1
Marlette Lake	8000’	21.1	39.4	186.7	40.1	40.7
Echo Peak 5	7800’	39.5	61.9	156.7	62.8	61.9
Rubicon Peak 2	7500’	29.1	47.0	161.5	47.0	46.0
Tahoe City Cross	6750’	16.0	14.6	91.2	14.4	16.5
Ward Creek 3	6750’	39.4	58.4	148.2	58.7	—
Fallen Leaf Lake	6250’	7.0	—	—	—	0.0
CARSON RIVER						
Ebbetts Pass	8700’	38.8	53.1	136.9	53.6	54.2
Horse Meadow	8557’	—	33.9	—	34.6	34.6
Burnside Lake	8129’	—	40.8	—	41.2	41.7
Forestdale Creek	8017’	—	64.5	—	64.6	63.6
Poison Flat	7900’	16.2	—	—	—	—
Monitor Pass	8350’	—	18.4	—	18.6	21.6
Spratt Creek	6150’	4.5	—	—	—	—
WALKER RIVER						
Leavitt Lake	9600’	—	86.6	—	86.6	85.9
Summit Meadow	9313’	—	36.8	—	37.2	37.9
Virginia Lakes	9300’	20.3	26.3	129.6	26.4	26.8
Lobdell Lake	9200’	17.3	26.2	151.4	26.4	28.9
Sonora Pass Bridge	8750’	26.0	36.1	138.8	37.3	37.8
Leavitt Meadows	7200’	8.0	0.3	3.8	1.1	7.2
OWENS RIVER/MONO LAKE						
Gem Pass	10750’	31.7	53.0	167.3	51.9	51.9
Sawmill	10200’	19.4	—	—	—	18.2
Cottonwood Lakes	10150’	11.6	—	—	—	19.1
Big Pine Creek	9800’	17.9	37.9	211.8	37.3	39.1
South Lake	9600’	16.0	24.8	155.2	25.1	27.6
Mammoth Pass	9300’	42.4	61.4	144.9	61.4	60.4
Rock Creek Lakes	9700’	14.0	15.4	110.2	15.7	18.5

NORMAL SNOWPACK ACCUMULATION EXPRESSED AS A PERCENT OF APRIL 1ST AVERAGE

AREA	JANUARY	FEBRUARY	MARCH	APRIL	MAY
Central Valley North	45%	70%	90%	100%	75%
Central Valley South	45%	65%	85%	100%	80%
North Coast	40%	60%	85%	100%	80%

May 1 Statewide Conditions



SNOWLINES

You've missed this years Western Snow Conference. A great program was put together chaired by Gary Freeman, Pacific, Gas and Electric. Next year's meeting will be in mid April hosted by the Northern Pacific Region. For further information contact Frank Gehrke at 916-574-2635 or gridley@water.ca.gov Information is available on the web at http://www.westernsnowconference.org.

Depicted on this month's cover is the Mill Creek Flat Snow Course this past April 1. Snow depth was over 15 feet. Photo courtesy of Pacific, Gas and Electric